

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	33	("2333553" "2447198" "2560427" "3557574" "4062203" "4282776" "4494414").PN. OR ("4528470").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 11:44
L5	8	("1318568" "2764272" "4528470" "4555963" "5713813" "6099433").PN. OR ("6682454").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 11:48
L35	1	"6259175".pn.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:16
L36	1	"4635904".pn.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:16
L37	2	("6202803", "6332518").pn.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:19
L38	828	(Linear adj actuator).ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L39	5577	(reversible adj electric adj motor)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L40	27	L39 and (linear adj actuator).ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L41	107	(overload adj clutch).ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L42	8	L41 and actuator	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L43	14985	(torque near limit\$3)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L44	1102	(torque near limit\$3 near clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L45	731	(torque adj limit\$3 adj clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L46	176	L45 and actuator	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L47	532	(ball near L39 ratchet) adj clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L48	162	L47 and actuator	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22

L49	122033	actuator.ti.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/15 12:22
L50	45	L49 and (ball near clutch)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/15 12:22
L51	321	74/89.38.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L52	188	74/89.39.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L53	4	("2531109" "4846011" "6202803" "6332518").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L54	284	74/89.37.ccls.	USPAT	OR	ON	2011/01/15 12:22
L55	4	"10327736"	EPO; JPO; DERWENT	OR	ON	2011/01/15 12:22
L56	9	"1101571"	EPO; JPO; DERWENT	OR	ON	2011/01/15 12:22
L57	4	"6259175"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L58	15	("3951004" "4241814" "4318304" "4602520" "4669325" "4679457" "4790201" "4858481" "5090513" "5388471" "5461935" "5620078" "5655636" "5809833" "6100609").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L59	1	"20070169578"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L60	21915	actuator.ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L61	1599	L60 and clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L62	1225	L61 and motor	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L63	542	L62 and ball\$1	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L64	285	L63 and (potentiometer or sensor)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L65	163	74/89.33.ccls.	USPAT	OR	ON	2011/01/15 12:22
L66	19	"2,660,281"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22

L67	45	actuator.ti. and (clutch near ball)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/15 12:22
L68	25	"4635904"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/15 12:22
L69	16	"3898817"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L70	8	"1101571"	DERWENT	OR	ON	2011/01/15 12:22
L71	18	"5,090,513"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L72	15	(US-20070169578-\$). did. or (US-4679451-\$ or US-4712441-\$ or US- 4790201-\$ or US- 6101889-\$ or US- 3312916-\$ or US- 3258985-\$ or US- 2398841-\$ or US- 2441505-\$ or US- 2479019-\$ or US- 4858481-\$ or US- 6259175-\$ or US- 2660281-\$ or US- 4548305-\$ or US- 3898817-\$ or US- 4635904-\$).did.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L73	2	L72 and potentiometer	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L74	1021	actuator.ti. and potentiometer	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/15 12:22
L75	216	L43 and actuator.ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L76	4004	L43 and actuator	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L77	33	L75 and crank	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L78	22	("3817493" "4067543").PN. OR ("4635904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L79	73	192/56.62.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L80	1	"2531109"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L81	677	74/89.23.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L82	207	74/424.71.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22

L83	321	74/89.38.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L84	284	74/89.37.ccls.	USPAT	OR	ON	2011/01/15 12:22
L85	192	(L81 or L82 or L83 or L84) and clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L86	43	(L81 or L82 or L83 or L84) and (ball with clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L87	22	("3817493" "4067543").PN. OR ("4635904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L88	10	("2479019" "2531109" "4548305" "4635904" "4712441" "4846011" "5195721" "6202803" "6259175" "6332518").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L89	25	("2620683" "3898817" "3898890" "4318304" "4459867" "4603594" "4697672" "4745815" "4762205" "4887479" "4909364" "4980591" "5092539" "5199538" "5299666" "5582390" "5630490" "5655636" "5950774").PN. OR ("6202803").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L90	18	("3951004" "4241814" "4318304" "4602520" "4669325" "4679457" "4790201" "4858481" "5090513" "5388471" "5461935" "5620078" "5655636" "5809833" "6100609").PN. OR ("6259175").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L91	35	475/157.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L92	445	475/231.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L93	102	475/233.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22

L94	59	475/240.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L95	103	475/283.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L96	503	actuator.ti. and (planetary near gear\$3)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L97	237	actuator.ti. and (planetary near gear\$3) and clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L98	8	L82 and planetary	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L99	1510	"475"/\$.ccls. and actuator same clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L100	105	"475"/\$.ccls. and actuator.ti. and clutch	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L101	444	(planetary near gear\$3) and (linear near actuator)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L102	31	("2430940" "2721721" "2930571" "3038352" "3113473" "3248579" "3373528" "3374372" "3463951" "3469128" "3660704" "4393319" "4398109").PN. OR ("4563908").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L103	18387	((input or motor) near (shaft or spindle member)) same ((sun planetary) near (gear\$3 wheel))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/01/15 12:22
L104	215	((input or motor) near (shaft or spindle member)) same ((sun planetary) near (gear\$3 wheel)) same ((overload or ball or torque) near clutch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/01/15 12:22
L105	677	74/89.23.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L106	207	74/424.71.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L107	321	74/89.38.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L108	284	74/89.37.ccls.	USPAT	OR	ON	2011/01/15 12:22

L109	45	(L105 or L106 or L107 or L108) and ((sun planet\$3) near (wheel gear\$3))	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L110	99	74/89.41.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L111	13	("2479019").URPN.	USPAT	OR	ON	2011/01/15 12:22
L112	14	D523880	USPAT	OR	ON	2011/01/15 12:22
L113	17	("D333666" "D412918" "D458284" "D467950").PN. OR ("D523880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L114	19	("5063808" "6056362").PN. OR ("D458284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L115	4	("2441505").URPN.	USPAT	OR	ON	2011/01/15 12:22
L116	13	(LEONARD near OCHTMAN).in.	USPAT	OR	ON	2011/01/15 12:22
L117	31	("2430940" "2721721" "2930571" "3038352" "3113473" "3248579" "3373528" "3374372" "3463951" "3469128" "3660704" "4393319" "4398109").PN. OR ("4563908").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L118	21	("20030015982" "20030127569" "3958779" "4544052" "4575027" "4608527" "4637272" "4885939" "4932613" "4979700" "5071397" "5120285" "5144851" "5518466" "5779587" "5947246" "6231012" "6260799" "6443034" "6705570" "6705570" "6860452").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L119	45	("2930571" "4273307" "4502269" "4660428" "4741508").PN. OR ("5195721").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

L120	4	("2441505").URPN.	USPAT	OR	ON	2011/01/15 12:22
L121	22	("2398841" "2441505" "2660281" "3038352" "3751998" "4062075" "4858481" "5809833" "5865272" "6109124" "6158295" "6240800" "6259175").PN. OR ("7066041").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L122	14	("3038352").URPN.	USPAT	OR	ON	2011/01/15 12:22
L123	87	("0823971" "1426109" "20030167872" "2405338" "2615683" "3038352" "3631951" "3726370" "3759358" "3796292" "3876184" "4014422" "4222608" "4316631" "4354709" "4494709" "4531417" "4561606" "4614257" "4778138" "4786110" "4817771" "4900088" "4987788" "5010780" "5050930" "5080434" "5086861" "5186412" "5197780" "5211368" "5217278" "5248017" "5382076" "5397164" "5449219" "5522488" "5567010" "5567011" "5590744" "5593210" "5595089" "5609394" "5638722" "5651584" "5681005" "5704687" "5769491" "5794479" "5842659" "5865285" "5881854" "6045185" "6050641" "6053064" "6158300" "6178838" "6212965" "6227617" "6230867"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

		"6238123" "6253894" "6334651" "6345549" "6422651" "6481557" "6488134" "6508347" "6520307" "6520583" "6536840" "6575278" "6592186" "6637575" "6675945" "6681910" "6691851" "6710565" "6732842" "6843533" "7007568" "7052427").PN. OR ("7329199").URPN.				
L124	45	("2881881" "3097546" "3693759" "3930566" "3979975" "4246991" "4328871" "4527683" "4603594" "4987788" "5193408" "5681005").PN. OR ("6158295").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L125	14	("2282963" "2430405" "2542164" "3028726").PN. OR ("3693759").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L126	13	("2653691" "3802281" "3898890" "4834225" "5655636").PN. OR ("6240797").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L127	10079	(planetary near gear\$3) with (clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L128	0	(planetary near gear\$3) with (ball near ratchet near clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L129	4	(planetary near gear\$3) with (ball near clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L130	31	("2430940" "2721721" "2930571" "3038352" "3113473" "3248579" "3373528" "3374372" "3463951" "3469128" "3660704" "4393319" "4398109").PN. OR ("4563908").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

L131	10079	(planetary near gear\$3) with (clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L132	98	(planetary near gear\$3) with (clutch) and actuator.ti.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L133	20	("1695214" "2615683" "4921219" "5090634" "5139468" "5152725").PN. OR ("6125586").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L134	9	("4222472" "4881018" "5052990" "5103950" "5348126" "5549187" "5638158" "6155395" "6588559").PN. OR ("6672442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L135	11	(planetary near gear\$3) with (overload near clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L136	33	("2834442" "2951389" "3331452" "3398611" "3722300" "4095488" "4108252" "4304152" "4328871").PN. OR ("4513827").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L137	14	(linear near actuator) and (overload near clutch)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L138	13	(actuator.ti.) and (overload near clutch)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L139	3	("2531109" "6202803" "6332518").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L140	1	("4846011").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22

L141	87	("0823971" "1426109" "20030167872" "2405338" "2615683" "3038352" "3631951" "3726370" "3759358" "3796292" "3876184" "4014422" "4222608" "4316631" "4354709" "4494709" "4531417" "4561606" "4614257" "4778138" "4786110" "4817771" "4900088" "4987788" "5010780" "5050930" "5080434" "5086861" "5186412" "5197780" "5211368" "5217278" "5248017" "5382076" "5397164" "5449219" "5522488" "5567010" "5567011" "5590744" "5593210" "5595089" "5609394" "5638722" "5651584" "5681005" "5704687" "5769491" "5794479" "5842659" "5865285" "5881854" "6045185" "6050641" "6053064" "6158300" "6178838" "6212965" "6227617" "6230867" "6238123" "6253894" "6334651" "6345549" "6422651" "6481557" "6488134" "6508347" "6520307" "6520583" "6536840" "6575278" "6592186" "6637575" "6675945" "6681910" "6691851" "6710565" "6732842" "6843533" "7007568" "7052427").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
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		("7329199").URPN.				
L142	31	("2295076" "2966070" "3161074" "4579012" "4603594" "4895383").PN. OR ("4987788").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L143	14	("2966070").URPN.	USPAT	OR	ON	2011/01/15 12:22
L144	40	(linear near actuator) and (torque near limiter)	USPAT	OR	ON	2011/01/15 12:22
L145	15	"5472383"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L146	40	(torque near limiter) with (planet\$3 near gear\$3)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L147	11	("3276553" "3285377" "3499511" "4317511" "4483423" "4768991" "4792321").PN. OR ("5040643").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L148	144	475/263.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L149	7	("2585486" "4528470" "4959672" "5262810" "5269733" "5816189" "6523658").PN.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L150	14	"475"/\$.ccls. and (((overload near clutch) or (torque near limiter)) with (planet\$4 near gear\$3))	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L151	17	(Linear adj actuator).ti. and ((planet\$3 near gear\$3) with (motor))	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L152	245	(actuator).ti. and ((planet\$3 near gear \$3) with (motor))	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L153	116	(actuator).ti. and ((planet\$3 near gear \$3) with (motor)) and (motor with sun)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L154	13	("2653691" "3802281" "3898890" "4834225" "5655636").PN. OR ("6240797").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

L155	13	("2653691" "3802281" "3898890" "4834225" "5655636").PN. OR ("6240797").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L156	24	(overload near clutch) same (planetary)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L157	31	(overload near clutch) same (planetary planet)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L158	5	"6147590"	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L159	207	74/424.71.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L160	677	74/89.23.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L161	11	(planetary near gear\$3) with (overload near clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L162	5897	((planetary near gear \$3) with (clutch)) and (((planet ring) near (wheel gear)) with clutch)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L163	4812	((planetary near gear \$3) with (clutch)) and (((planet ring) near (wheel gear)) with clutch) and (clutch with carrier)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L164	67	475/43.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L165	144	475/263.ccls.	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L166	7	(overload near clutch). ti. and (planetary near gear\$3)	US-PGPUB; USPAT	OR	ON	2011/01/15 12:22
L167	20	("20030221928" "4448098" "4823885" "4842078" "5437524" "5449043" "5531278" "6053080" "6076438" "6093130" "6305481" "6457535" "6676557" "6863165" "6984188" "7101300" "7168503" "7314097" "7410007").PN. OR ("7644783").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

L168	354	81/467.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L169	9	("3240304" "3967711" "4257147" "4340133" "5419745" "5868208").PN. OR ("6863165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22
L170	63	475/293.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/15 12:22

1/ 15/ 2011 1:02:53 PM

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